

UK Owners Manual

A guide to the operation and care of your new spa from RotoSpa.

1. INTRODUCTION

CONGRATULATIONS ON PURCHASING YOUR NEW ROTOSPA PORTABLE HOT TUB.

We have taken every care in designing, building and testing your Spa here in the UK to ensure that it operates effectively and offers many satisfying features.

In order to obtain maximum benefit from your RotoSpa we recommend that you read and follow the information contained in this guide.

This guide is not intended as a complete manual on spa ownership but a general reference on operation and care of your RotoSpa portable spa.

Please consult your dealer or a spa chemical professional in regard to the most suitable sanitation package for your family and make sure you learn and understand the use and effect of the products.



UK manufacturers of unique,
award winning, affordable,
portable, performance spas.

2. CONTENTS

1. INTRODUCTION	1
2. CONTENTS	2
3. INSTALLATION	3
Location	
Setting Up	
Connection	
4. OPERATION	4-5
Spa Quip SP601 Control System	
Troubleshooting	
5. MAINTENANCE	6-7
Chemicals	
Filtration	
Cleaning	
Draining	
6. SAFETY	8
7. WARRANTY & LEGAL REMEDIES	9
8. WARRANTY ACTIVATION FORM	10

3. INSTALLATION

LOCATION

When selecting a location for your RotoSpa it should be set on a flat and level surface. Concrete, paving slabs, tiles and structurally sound decking are all suitable but it should be remembered that although RotoSpa products are relatively lightweight when filled with water they can weigh well over 1000kg. Siteing the spa directly onto grass or earth is not recommended as insects and dust can shorten equipment life. For the same reason unenclosed below ground use is also not recommended.

If the spa is sited indoors during use then water may splash or drip onto the floor both around and underneath and appropriate care must be taken to avoid slips and falls. High room humidity might also require good natural or forced ventilation to minimise moisture damage to the building.

SETTING UP

Your RotoSpa is manufactured from a very tough and hard-wearing material that should withstand everyday knocks and bumps but we recommend that care is taken in handling the spa and protecting the surface from scratching to preserve its appearance. Once you have sited your spa the packaging can be removed from your spa and all of its accessories.

The lockable thermal cover (when supplied) is rigid and is designed to insulate the spa and keep water heat in, it is not suitable to be used for storage of any items placed upon it.

CONNECTION

We recommend that you instruct a qualified electrician to install the spa, it is rated at 13A. The spa is powered by a 3m electrical cable extending out of the heater/controller box through the wall of the spa. Your spa needs to be sited close enough to the power source to ensure that the cable can be safely connected to your power point otherwise a further connection extension will be required. The spa should be protected by a RCD; your electrician will be able to advise you on which type of RCD is most appropriate for your family's circumstances.

Once you have connected the power supply you can refit the plastic panel and the wooden panel, remembering that the gold coloured D ring goes behind the centre top screw of the wooden end panel.

Do not switch on the power before the spa is filled with water, running the pump whilst dry will cause catastrophic damage.

4. OPERATION

GENERAL

When freshly filled with water (or left with the power off with the water cooling to ambient temperature) your spa will need to run between 6 and 12 hours to reach a temperature of around 36 degrees. Heating should always occur with the thermal cover fitted and any air controls closed or it will not heat effectively. Your spa can be set to reach a temperature of over forty degrees although your normal body temperature is around 37 degrees and setting the temperature to around this heat is usually the most comfortable. Please note that if the temperature in the spa reaches above 43 degrees then a safety feature means that the heater will switch off until the water temperature drops.

A guide to the Spa Quip SP601 controller system is supplied with the spa, please familiarise yourself with the functions of the spa in chapter 3.3, page 4.

Your spa is fitted with either a single colour light, or a multi-coloured alternative and it is either turned on or off by the light button on the control pad.

HYDRO JET SYSTEM

You can adjust the silent air intake control to increase or decrease the air content in the jet streams. The power of most jets can be individually adjusted by a part turn of the fascia of the jet.

OZONATOR SYSTEM

Spa ozonators are popular addition but are not to be used as a replacement for chemicals but rather as a supplement to them. If your spa has been fitted with an ozonator work automatically in conjunction with the pump and controller.

Error Code on Controller

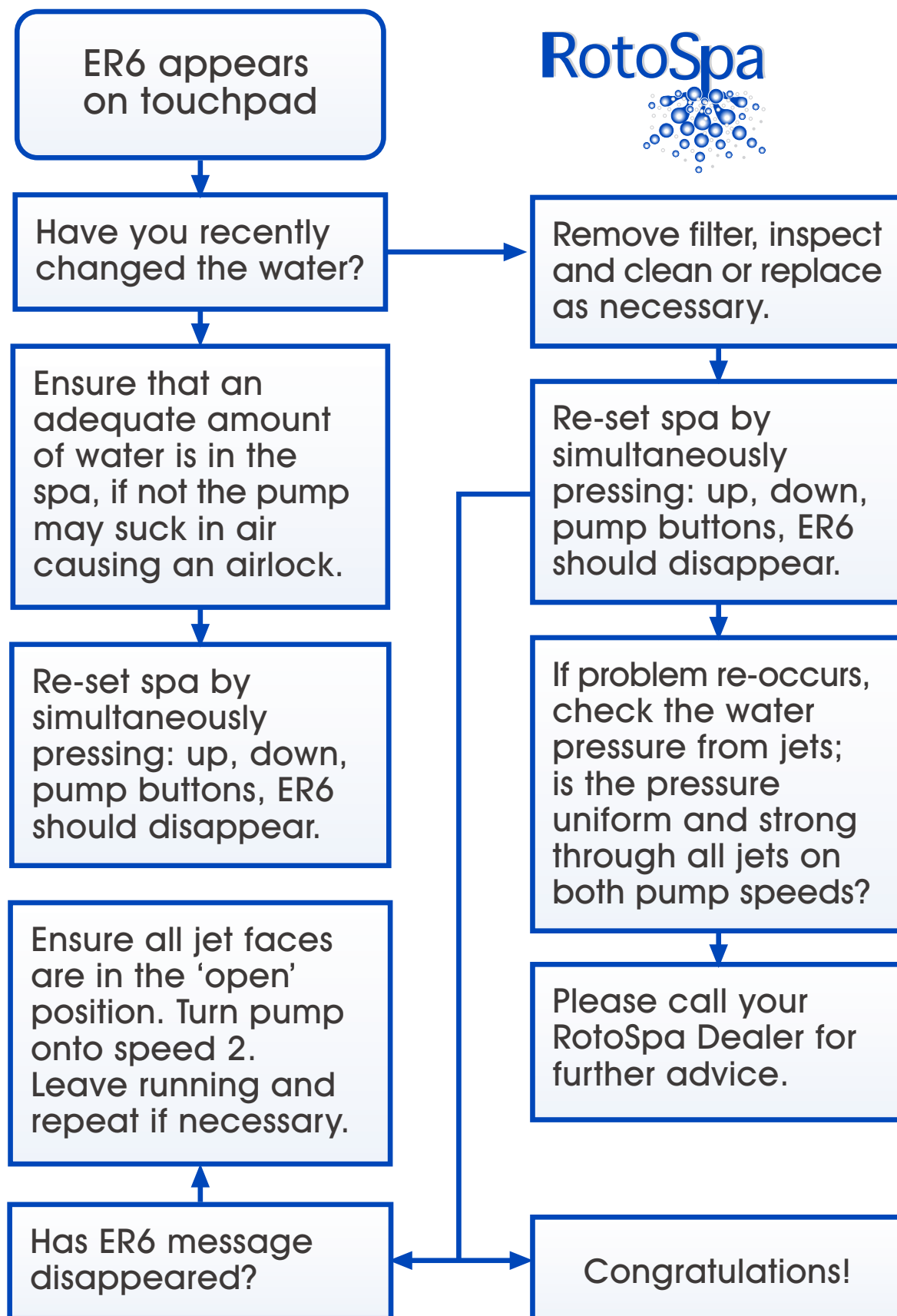
The most common error code that appears is control touchpad reading ER6.

Error 6 is a safety feature indicating that the tube containing the heater element is becoming overheated; this is due to insufficient water flow to cool it down. If this occurs the heater will turn itself off to save burning out and the ER6 code will appear on the touchpad. The spa will not run and the water temperature will drop until the source of the problem is rectified.

The build up of heat in the heater element tube, and the consequent ER6 code, is normally caused by one or all of the following:

- A dirty or deteriorated filter.
- An air lock in the spa.
- Pump is not working correctly.
- To troubleshoot the ER6 message please follow the flow chart on the next page.

4. OPERATION: HOW TO TROUBLESHOOT THE ER6 ERROR CODE ON CONTROLLER



5. MAINTENANCE

Once your spa is filled with water it is essential to keep the water clean and hygienic by regular attention to the water chemistry and filtration systems. Your dealer will be able to provide you with the appropriate chemicals and advise you on their safe use. Always ensure that you follow the manufacturer's instructions which will be found on the chemical packaging. Sanitizer and Ph levels should be checked daily to maintain the proper range.

CHEMICALS

Spa ownership is a rewarding past time and can give you years of relaxing pleasure however, there are a few risks associated with warm water that you should be aware of and we would advise the purchase and reading of HSE/ Health Protection Agency 'Management of Spa Pools' and HSE L8 'Legionnaires Disease'. Copies available from us or the HSE. The use of sanitizers in your spa to control these risks is necessary.

The most commonly used sanitizers for spas are chlorine and bromine although alternative products are appearing on the market all the time, your dealer will be to assist you with choosing which type of product is most appropriate to your family's requirements. When chlorinating disinfectants are used a free chlorine residual of 3-5 mg/l should be maintained in the spa water and for bromine 4-6 mg/l of total active bromine. To gain maximum life from your thermal cover, it is good practice to leave the cover off the spa for a period of around half an hour after adding chemicals.

The level of acidity or alkalinity in the water is measured by the pH level. Correctly balanced water should have a pH level of between 7.2-7.6. The efficiency of the disinfectant (i.e. chlorine or bromine) is directly related to the pH of the water. Total alkalinity should be maintained in the range between 100ppm and 120ppm and a calcium hardness of between 60ppm and 140ppm. Incorrect water balance can reduce sanitizer efficiency, cloud the water, cause scale or corrosion (particularly to heaters) and irritate the skin, incorrect water treatment will also invalidate the warranty on the spa.

NOTE: Do not allow chemicals to sit on the spa surface in or out of water. DO not add chemicals to the water whilst the spa is in use. It is important to shower before using the spa as the introduction of cosmetic products can upset the water balance.

FILTRATION

Your spa is factory set to run for ten minutes every hour and this should prove adequate to trap most solids and debris from the water. If you wish to increase the hourly filtration time please refer to page 7 of the SpaQuip SP601 User Guide. The presence of body oils or other materials that are too small to be removed may result in undesirable water conditions such as foaming or dull water. A product such as chlorine shock can be purchased to rid your spa of unfilterable wastes; other products are also available such as de-foamer, water clarifier and cartridge cleaning materials.

CLEANING

The filter in your spa should be cleaned at least once a week or more regularly for heavy users and spas with high bather loads. To remove the filter, ensure that the pump is switched off:

Pull the filter door toward you and reach into the filter housing, remove the skimmer basket by pulling it upward and out of the filter housing. Then reach in for a second time and simply pull the unsecured filter out by holding the top and pulling clear.



5. MAINTENANCE



Clean the filter by hosing with fresh water and, if greasy, soak overnight in a dedicated filter cleaner available from your dealer, rinse thoroughly and then reassemble in the reverse order. The filter will need replacing every 12-18 months and is available from your dealer.

The spa surface can be cleaned by using a sponge with a mild liquid detergent or dedicated spa surface cleaner. This can best be done when the spa is empty and should be rinsed out well before re-filling. The thermal cover can be cleaned using a sponge with a mild non-abrasive liquid detergent in warm water. You should also clean your spa cover once a week with a solution of 10mg/l of free chlorine to disinfect it.

DRAINING

We recommend replacing the water approximately six times per year (dependent on usage) to reduce the build up of Total Dissolved Solids including wastes such as perspiration and cosmetics. To empty the spa simply use a hose by holding the end over one of the jets until water begins to flow out then switch the spa off and leave to drain with the hose in the foot well. Alternatively a good quality electric submersible pump will empty the spa very quickly.

WINTERIZATION

RotoSpa recommends that if you are not using your spa during the Winter months, simply reduce the temperature so there are no issues with freezing pipe. Should you prefer to turn the power off and drain your spa we recommend you hire a spa professional. He should ensure that the spa is completely drained, unions to the pump and heater are undone to allow further drainage and the spa is placed on its side. Any further residual water to be taken out using professional equipment as advised.

PLEASE NOTE: Any damage caused by freezing pipes as a result of incorrect drainage is not covered by your manufacturer's warranty.

6. SAFETY

ELECTRICAL

Your spa and any other equipment or accessories used in conjunction with it should be protected by a Residual Current Device. Users should instruct a qualified electrician to carry out any works necessary and have due regard for the electrical installations regulations.

LIMITATIONS

Do not leave your children in a spa unsupervised. Do not consume alcohol if using a spa. Do not put your head under the spa water. Do not drink the spa water.

MEDICAL

Consult your GP about any medical consideration such as, but not limited to, pregnancy or high blood pressure before using a spa.

TIME & TEMPERATURE

The higher the water temperature the less time should be spent in the spa. Time can be gradually increased as your body becomes accustomed to the activity just like any exercise but we would suggest initially limiting use to 10mins maximum at higher temperatures, or longer periods at moderate temperatures. If you begin to feel light headed, dizzy, drowsy or nauseous get out immediately, drink clean fresh water and lie down. If this persists then take medical advice.

THERMAL COVER

Thermal covers are the best way to reduce heat loss from the spa but are also an excellent safety benefit if locked in position when not in use. The cover is not designed to support weight and care should be taken not to place anything on it.

7. WARRANTY

Rotospa UK Limited Limited Warranty

Rotospa confirms that this warranty refers solely to the original purchaser when used in a domestic situation within Great Britain & Ireland purchased after 1 January 2010.

Three Year Shell Warranty

The shell is warranted not to lose water due to crack, tear, blister or delamination resulting from faulty materials or manufacture for a period of three years from its original delivery date. If, in the opinion of Rotospa, the structure proves to be defective, the spa shell will be repaired or at its discretion, replaced without charge to the customer. The decorative skirting shall be free from defect at the point of delivery.

One Year Component Warranty

RotoSpa warrants that the spa will remain free from leaks for the period of one year from the date of delivery, the equipment, pumps, blowers, heaters; control systems will remain free from defects in the materials and workmanship for a period of one year from the point of delivery.

One Year Cover Warranty

The thermal lid is warranted not to fail as a result of a defect in material and workmanship that would render it unfit for purpose within one year of the date of delivery.

General

This limited warranty covers spas manufactured by Rotospa UK Limited and supplied directly or via its authorised dealers to residential retail customers, this warranty is given only to the initial purchaser and terminates on its transfer of ownership. No warranty is provided on light bulbs, lens covers, filters and any dealer provided accessories. Cost of installation, removal and or shipping is not covered by this limited warranty, in the event that Rotospa considers it necessary to remove the spa to a place of repair or that the spa or shell be replaced any costs of the spa removal and replacement, landscaping, decking, fencing, and/or structural removal, alteration and/or replacement or other costs of providing access to the spa will rest with the owner. This warranty applies only to spas in single family, residential installations and become void if used in a commercial application.

Terms & Conditions

This is not an infield warranty, unless purchased directly from RotoSpa Limited, and in the event of a fault covered by the warranty the defective part shall be replaced via the point of purchase, labour, carriage & travel costs are not covered. This warranty is void if, in the opinion of Rotospa, the goods have been altered, misused or abused, including, but not limited to, operation and maintenance other than in accordance with Rotospa's instructions or any application for which it was not designed or if the spa has been subject to repairs or attempted repairs carried out by persons other than RotoSpa or its authorized agent.

Specific exclusions include:- discolouration of, or damage to the spa surface, fittings or equipment which may occur from concentrated, excessive or incorrect use and balance of chemicals in the spa. Any settlement of the spa surface. Damage to the spa caused by its use on a non level site or by leaving the spa uncovered and exposed to direct sunlight while empty of water. Deterioration of timber products, decorative or otherwise, which may be supplied in conjunction with, or for use with the spa. Damage caused by water freezing in pipes and components as a result of ineffectual draining of the spa, acts of God or other circumstances beyond the control of Rotospa

Disclaimer

Rotospa or any of its appointed service agents shall not be liable for inconvenience, injury, loss of use, chemical or water damage, transportation costs, continent liabilities and any other incidental or consequential costs, expenses or damage as a result of any deficiency or alleged deficiency of the spa. In no event shall Rotospa be liable, for any reason or cause, in excess of the trade price of the spa at the time of sale. No other warranties, expressed or implied are valid. Only Rotospa are authorised to vary, change, modify or extend the terms of the limited warranty in any manner whatsoever.

Legal Remedies

Any dispute of litigation arising in relation to the product shall be governed by the laws enforced in Great Britain and dealt with in the appropriate court nearest Sutton Coldfield, Birmingham, United Kingdom. This warranty is in addition to any rights or remedies available under the UK's consumer rights legislation.